United States Department of Agriculture
Forest Service
Arizona Zone Entomology and Pathology
2500 S. Pine Knoll Dr.
Flagstaff, AZ 86001
FAX: (520) 556-2130
Voice: (520) 556-2073

File Code: 3410 **Date:** November 10, 1999
Route To:
Subject: 1999 Insect and Disease Aerial Detection Survey
To: Area Director
Bureau of Indian Affairs
Phoenix Area Office
P. O. Box 10
Phoenix, AZ 85001

The annual insect and disease detection survey was conducted over the San Carlos Indian Reservation August 2-3, 1999. This letter will serve a summary of the insect and disease conditions recorded during those flights.

A very slight decrease in bark beetle activity was mapped in 1999. A total of 946 acres of bark beetle mortality was mapped in 1999 as compared to 979 acres in 1998. Most of this activity was attributed to *Ips* spp. and western pine beetle. The highest amount of activity was seen along the Nantac Rim and in the Nantanes Mountains. Jill Wilson, of this office, identified western pine beetle, roundheaded pine beetle and *Ips* engraver beetles in ponderosa pine mortality areas on the Fort Apache Indian Reservation. It is possible that the mortality being seen on the San Carlos Indian Reservation may include mortality due to all three bark beetles. Fire was recorded on 945 acres most of which was near the town of Point of Pines, Freezeout creek and the Black river.

Electronic format copies of the map files and data are available to the Area Office, Bureau of Indian Affairs staff and San Carlos Tribal Forestry for use on any projects where this information would be of value. Please forward this letter to the appropriate personnel.

If you have any questions regarding this survey, the data in this letter or to check on the availability of the maps please contact Bobbe Fitzgibbon (520-556-2072) or Steve Dudley (520-556-2071).

/s/ Bobbe Fitzgibbon

Bobbe Fitzgibbon

Acting Zone Leader,Arizona Zone Entomology and Pathology

cc: llucero/r3

dparker/r3

dallenreid/r3

Victoria Wesley, San Carlos Tribal Forestry

E&P:B.Fitzgibbon:bf:11/10/99:(520)556/2072